Dear Bernie:

Best wishes for the enterprises outlined in your latter of the 29th we well as for the new year generally.

Your letter to Plough correctly puts the onus in me as the initiator of your enquiry. I hope that there will be some explanation that will reduce the embarrasement to all of usi there is a rumor that Plough's transductions have been very unstable, which alght account for some of the incompletencies, but I do not know how sound this intelligence is.

The arcumitic metabolism in Salmonella, why not append your comment to your numerat paper when you get it back from the reviewer (or aren't your news, subject to revision?) Although each is interesting enough in its own right, I am not sure now deeply blochemical and genetic studies of thorny situations like this can be correlated. Are there any strictly shalogous sequences of E. coli mutants which could be independently examined for allelism?

Let me low when Taniv and yourself have cleaned up the preliminaries on your resistant mutants, so that I can prepare to join the fray. In my limb litter, I may have recommended making the mutante in W-677, but this hes disidrantages which make your program, of crossing P-H-derivs. x W-677, rather better. I would be more discouraged about a simple enough genetic eligantion except that Tom Belson has been looking at multi-step fastance to furndary! in K-12. Fortunately, the steps are either alleles or very closely linked factors which behave essentially as units. When your bugs are ready, We may take the occasion to make heterozygotes with these as well. Unfortunately, furadoxyl-resistance is closely linked to Mal, etc. However, judging from the effect on recombination, furadoxyl-sensitivity is mominant to resistance, but this is not a sufficiently explicit test that I would rely very heavily on it. If verified, it would help support the notion that zygotes which receive a Mal.... segment from an F+ parent are phenotypically influenced by it prior to its elimination. Hayes has interpreted a somewhat different result with streptomycin as indicating that the segment never does get into the zygote in the first place.

Yours sincerely,

Joshua Lederberg